

CLAIM AMENDMENTS

1. (Currently Amended) A method comprising: ~~One or more computer readable storage media comprising processor-executable instructions configured for:~~

receiving an instruction specifying additional per-frame DV metadata to extract from a DV data stream, wherein the instruction comprises at least one of:

an AddPack call to add the DVPackID to an extraction list;

a RemovePack call to remove the DVPackID from the extraction list; or

a RemoveAllPacks call to remove all DVPackIDs from the extraction list;

and

extracting the metadata from a DV frame of the DV data stream in response to the instruction; and, wherein the extracting comprises:

~~wherein the extracting comprises:~~

determining a DVPackID from an extraction list; and

identifying the metadata within the DV frame based on the DVPackID.

2. (Currently Amended) A method ~~The one or more computer-readable storage media as recited in claim 1, further comprising processor-executable instructions configured for:~~

storing the metadata in a container; and

attaching the container to a video sample of the DV frame.

3. (Canceled)

4. (Currently Amended) A method as recited in claim 1, ~~The one or more computer-readable storage media as recited in claim 3,~~ further comprising processor-executable instructions configured for:

returning a number indicating an amount of DVPackIDs present in the extraction list in response to a GetCount call; and

returning a DVPackID at an index in the extraction list in response to a GetPackID call that specifies the index.

5. (Canceled)

6. (Currently Amended) A method ~~The one or more computer-readable storage media as recited in claim 2,~~ further comprising processor-executable instructions configured for managing the container.

7. (Currently Amended) A method ~~The one or more computer-readable storage media as recited in claim 6,~~ wherein the managing the container comprises:

adding a DV_METADATA structure to the container in response to an Add call;

removing a DV_METADATA structure from the container in response to a Remove call;

removing all items from the container in response to a RemoveAll call;

returning a number indicating an amount of items present in the container in response to a GetCount call;

locking the container for exclusive access in response to a Lock call;

unlocking the container in response to an Unlock call;

retrieving an item from the container at a beginning index of the container in response to a GetFirst call; and

retrieving an item from the container at a next index of the container in response to a GetNext call.

8. (Currently Amended) A method ~~The one or more computer-readable storage media as recited in claim 7, wherein the DV_METADATA structure comprises an unpacked version of a DV metadata pack.~~

9. (Currently Amended) A method ~~The one or more computer-readable storage media as recited in claim 8, wherein the DV_METADATA structure comprises:~~

binary values unpacked from the DV metadata pack; and

a different variable name associated with each binary value.

10. (Currently Amended) A method as recited in claim 1, further comprising:

~~The one or more computer-readable storage media as recited in claim 2, further comprising processor-executable instructions configured for:~~

demultiplexing the DV frame to generate the video sample and an audio sample.

11. (Canceled)

12. (Currently Amended) A method comprising: ~~One or more computer-readable storage media comprising processor-executable instructions configured for:~~
managing a DV metadata extraction list; and
extracting a DV metadata pack from a DV frame based on a DVPackID within the extraction list, wherein the extracting includes:
identifying the DV metadata pack in the DV frame through a header in the DV metadata pack that contains the DVPackID; and
pulling the DV metadata pack out of the DV frame.

13. (Currently Amended) A method ~~The one or more computer-readable storage media as recited in claim 12, further comprising processor-executable instructions configured for storing the DV metadata pack into an~~ IMFDVMetadataContainer.

14. (Currently Amended) A method ~~The one or more computer-readable storage media as recited in claim 13, further comprising processor-executable instructions configured for attaching the IMFDVMetadataContainer to a DV sample of the DV frame.~~

15. (Currently Amended) A method ~~The one or more computer-readable storage media as recited in claim 13, further comprising processor-executable instructions configured for unpacking the DV metadata pack into a DV pack-specific data structure.~~

16. (Currently Amended) A method ~~The one or more computer-readable storage media as recited in claim 15, further comprising processor-executable instructions configured for storing the DV pack-specific data structure into the IMFDVMetadataContainer.~~

17. (Currently Amended) A method ~~The one or more computer-readable storage media as recited in claim 15, wherein the DV pack-specific data structure comprises:~~

binary values unpacked from the DV metadata pack; and
a different variable name associated with each binary value.

18. (Currently Amended) A method ~~The one or more computer-readable storage media as recited in claim 12, wherein the managing comprises:~~

adding a DVPackID to the extraction list in response to an AddPack call;
removing a DVPackID from the extraction list in response to a RemovePack call;
removing all DVPackIDs from the extraction list in response to a RemoveAllPacks call;
returning a number indicating an amount of DVPackIDs present in the extraction list in response to a GetCount call; and
returning a DVPackID at an index in the extraction list in response to a GetPackID call that specifies the index.

19. (Canceled)

20. (Currently Amended) A method ~~The one or more computer-readable storage media as recited in claim 13, further comprising processor-executable instructions configured for managing the IMFDVMetadataContainer.~~

21. (Currently Amended) A method ~~The one or more computer-readable storage media as recited in claim 20, wherein the managing the IMFDVMetadataContainer comprises:~~

adding a DV_METADATA structure to the IMFDVMetadataContainer in response to an Add call;

removing a DV_METADATA structure from the IMFDVMetadataContainer in response to a Remove call;

removing all items from the IMFDVMetadataContainer in response to a RemoveAll call;

returning a number indicating an amount of items present in the IMFDVMetadataContainer in response to a GetCount call;

locking the IMFDVMetadataContainer for exclusive access in response to a Lock call;

unlocking the IMFDVMetadataContainer in response to an Unlock call;

retrieving an item from the IMFDVMetadataContainer at a beginning index of the IMFDVMetadataContainer in response to a GetFirst call; and

retrieving an item from the IMFDVMetadataContainer at a next index of the IMFDVMetadataContainer in response to a GetNext call.

22. (Canceled)

23. (Currently Amended) A method comprising:

receiving an instruction to extract DV metadata from a DV data stream;
extracting the metadata from the DV data stream in response to the instruction;
storing the metadata in a container; [[and]]
attaching the container to a video sample of the DV data stream; and
managing access to the container according to method calls on a container
application programming interface (API).

24. (Canceled)

25. (Currently Amended) A method comprising:

managing DVPackIDs in a DV metadata extraction list based on method calls to
a metadata extraction API (application programming interface); [[and]]
extracting a DV metadata pack from a DV frame based on a DVPackID within the
extraction list;
unpacking the DV metadata pack into a DV pack-specific data structure;
storing the DV metadata pack and the DV pack-specific data structure in a
container;

attaching the container to a video sample of the DV frame; and
managing access to the container based on method calls to a container API.

26-29. (Canceled)

30. (Previously Presented) A computer comprising:

a DV metadata extraction tool configured to extract metadata from a DV frame
and enable access to the metadata, the DV metadata extraction tool comprising:

an extraction interface configured to maintain an extraction list of
DVPackIDs in response to method calls from an application and to store DV
packs in a container based on the extraction list of DVPackIDs; and

a container interface configured to store a DV pack-specific data
structures in the container and to manage access to DV packs and DV pack-
specific data structures in response to method calls from the application; and
a multimedia architecture that includes the DV metadata extraction tool.

31. (Canceled)

32. (Currently Amended) A computer comprising:

means for managing a DV metadata extraction list; ~~[[and]]~~

means for extracting a DV metadata pack from a DV frame based on a DVPackID within the extraction list; and

means for storing the DV metadata pack into an IMFDVMetadataContainer.

33. (Canceled)

34. (Currently Amended) A computer as recited in ~~claim 33,~~ claim 32, further comprising means for attaching the IMFDVMetadataContainer to a DV sample of the DV frame.

35. (Currently Amended) A computer as recited in ~~claim 33,~~ claim 32, further comprising:

means for unpacking the DV metadata pack into a DV pack-specific data structure; and

means for storing the DV pack-specific data structure into the IMFDVMetadataContainer.

36-54. (Canceled)